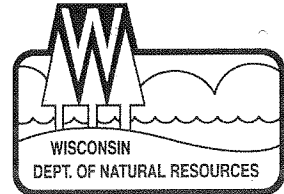


State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

Scott Walker, Governor
Daniel L. Meyer, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711



July 24, 2018

Barb Theis
Health Officer
Juneau County Health Department
200 Hickory Street
Mauston, WI 53948

Subject: Casing recommendation for private wells in the Town of Armenia.

Dear Ms. Theis:

The Department of Natural Resources (DNR) has reviewed well construction and water quality information for existing private wells in and around the town of Armenia to determine the recommended casing depth for new or replacement wells constructed in the township to obtain water with nitrate concentrations that are less than the drinking water standard of 10 mg/l.

The DNR recommends that new or replacement wells constructed within the town have casing that extends a minimum of 60 feet below the top of the water table. In most areas of the township, this would result in a well with 80 to 100 feet of casing.

Based on our review, wells constructed in this manner have a greater likelihood of producing water with nitrate concentrations below the public health standard of 10 mg/L. This recommendation does not guarantee that a well constructed following this recommendation will produce acceptable water quality or quantity.

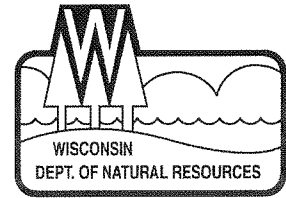
Sincerely,

Marty Nessman
Private Water Field Supervisor
Bureau of Drinking Water and Groundwater

cc: Adam Scheunemann, DNR
Bruce Rheineck, DNR

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July 24, 2018

Nancy Eggleston
Environmental Health Supervisor
Wood County Health Department
111 W Jackson Street
Wisconsin Rapids, WI 54495

Subject: Casing recommendation for private wells in the Towns of Port Edwards.

Dear Ms. Eggleston:

The Department of Natural Resources (DNR) has reviewed well construction and water quality information for existing private wells in and around the town of Port Edwards to determine the recommended casing depth for new or replacement wells constructed in the township to obtain water with nitrate concentrations that are less than the drinking water standard of 10 mg/l.

The DNR recommends that new or replacement wells constructed within the town of Port Edwards have casing that extends a minimum of 50 to 60 feet below the top of the water table. In most areas of the township, this would result in a well with 70 to 100 feet of casing.

Based on our review, wells constructed in this manner have a greater likelihood of producing water with nitrate concentrations below the public health standard of 10 mg/L. This recommendation does not guarantee that a well constructed following this recommendation will produce acceptable water quality or quantity.

Sincerely,

Marty Nessman
Private Water Field Supervisor
Bureau of Drinking Water and Groundwater

ec: Adam Scheunemann, DNR
Bruce Rheineck, DNR